Docket No.: 87324.1602 PATENT/OFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Rathindra DASGUPTA

Application No. 10/693,951 : Group Art Unit: 1742

Filed: October 28, 2003 : Examiner: Unassigned

For: ALUMINUM ALLOY

<u>INFORMATION DISCLOSURE STATEMENT</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

No further elaboration is believed necessary. Copies of the documents are submitted herewith in accordance with 37 C.F.R. §1.98(a).

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AUTHORIZATION

This Information Disclosure Statement is being filed before receipt of the first Office Action.

No fee is required. The Commissioner is hereby authorized to charge any additional fees which may be required for this submission, or credit any overpayment to deposit account no. 50-2036.

Respectfully submitted,

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ATTY, DOCKET NO. SERIAL NO. LIST OF ART CITED BY APPLICANT 87324.1602 10/693,951 APPLICANT Rathindra DASGUPTA (PTO-1449) FILING DATE GROUP October 28, 2003 1742 U.S. PATENT DOCUMENTS EXAMINER'S PATENT NO. CLASS SUBCLASS FILING DATE **INITIALS** 6,277,217 08/21/01 148 440 04/13/99 Yoshino, et al. В 6,306,342 10/23/01 Koch, et al. 420 543 01/18/01 6,309,481 10/30/01 440 Koch, et al. 148 09/30/98 12/18/01 6,331,218 D Inoue, et al. 148 561 09/29/98 01/01/02 6,334,911 Ε 148 416 02/19/98 Kita, et al. F 6,342,180 01/29/02 Lefebvre, et al. 420 407 06/05/00 G Н I J K М N Ō P FOREIGN PATENT DOCUMENTS EXAMINER'S PATENT NO. DATE COUNTRY CLASS **SUBCLASS** Translation **INITIALS**

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) S	- '`` 	OTHER ART (Technologies Austria Table Board Board Board Board	
Processes, October 2001, Pages 49-51. T "Metalcasting and Molding Processes," Technical Articles, December 2001, Pages 1-10. U "A Guide to Aluminum Casting Alloys," Technical Articles, December 2001, Pages 1-8 V "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	OTHER ART (INCLUDING AUCHOR, TITTE, Date, PERTIMENT PAGES, ETC.)		
T "Metalcasting and Molding Processes," Technical Articles, December 2001, Pages 1-10. U "A Guide to Aluminum Casting Alloys," Technical Articles, December 2001, Pages 1-8 V "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	>	Sturry-Based Semi-Solid Die Casting, Advanced Materials &	
2001, Pages 1-10. "A Guide to Aluminum Casting Alloys," Technical Articles, December 2001, Pages 1-8 "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	L	Processes, October 2001, Pages 49-51.	
U "A Guide to Aluminum Casting Alloys," Technical Articles, December 2001, Pages 1-8 V "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	T		
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V "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	U	"A Guide to Aluminum Casting Alloys," Technical Articles, December	
W "Guide to Casting and Molding Processes," Technical Articles, December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.		2001, Pages 1-8	
December 2001, Pages 1-16. W "Cost-Effective Casting Design: What Every Component Designer Should Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. X "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 Y "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 Z "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	V		
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Know," Michael A. Gwyn, Pelton Casteel, Inc., Pages 1-29. "Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	W		
<pre>"Semi-Solid Metal (SSM) Engineered Components," Formcast, Overview, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.</pre>		Know." Michael A. Gwyn. Pelton Casteel. Inc., Pages 1-29.	
December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Chemical Compositions, December 2001, Page 1 "Semi-Solid Metal (SSM) Engineered Components," Formcast, Mechanical Properties, December 2001, Page 1 AA "The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. BB "Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	X	"Semi-Solid Metal (SSM) Engineered Components." Formcast, Overview	
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### The Semi-Solid Process," Hot Metal Molding, Inc., December 2001, Pages 1-3. ### Pages 1-3. #### Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. #### CCC	-	Properties December 2001 Page 1	
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"Relative Quality and Production costs of Formed Parts from Aluminum Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	^	Pages 1-3	
Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2. CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	RR P		
CC "SSM - The Process of Choice for Automotive," Hot Metal Molding, Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.	"	Alloys " Not Metal Molding The December 2001 Progres 1-2	
Inc., December 2001, Pages 1-2. DD "Alloy Development & Technologies," Hot Metal Molding, Inc., December 2001, Pages 1-3.		Alloys, not metal moturing, inc., becember 2001, rages 1-2.	
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	<u> </u>	"SSM Alloys," Hot Metal Molding, Inc., December 2001, Pages 1-2.	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

DATE CONSIDERED

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EXAMINER